

WHAT IS CLAIMED IS:

1. A method of obtaining a sample of intraductal fluid, comprising the steps of:  
providing an intraductal fluid sampling device having a size-adjustable support, at least one inflatable bladder carried by the support and a patient interface surface carried by the bladder;  
attaching a removable patient interface to the intraductal fluid sampling device;  
adjusting the support to correspond with the approximate size of a breast to be tested;  
placing the patient interface in contact with the breast;  
inflating the bladder to provide compression to the breast; and  
noninvasively obtaining the intraductal fluid sample.